



Location
 Port Augusta, SA
Client
 John Holland Group
Duration
 May 2015 - September 2015
Contract Type
 Lump Sum

SUNDROP FARMS - POND LINER CIVIL WORKS

Constructing Water Storage Ponds at a World First Agricultural Facility

The Sundrop Farms Greenhouse at Port Augusta is a ground breaking facility which allows greenhouse produce such as tomatoes to be grown with a reduced need for water, pesticides and fossil fuels. Included in the numerous components which make up this complex operation are large water storage ponds associated with the thermal desalination process used on site.

With their local knowledge and experience in the surrounding area, Carey was invited to work alongside Fabtech – Australia’s leading installer of geomembrane liners and covers, to complete the earthworks and civil structural works associated with the pond lining.

Carey’s scope included:

- Excavation and concreting of over 2 kilometres of top perimeter trench for anchoring of pond liner and cover



- Installation (including excavation, bedding and backfill) of precast pits to the base of the internal pond walls
- Construction of a concrete wall in excess of 800 metres suitable for pond liner
- Excavation, preparation, forming and pouring of over 12 complex wall structures to accommodate inlet and outlet pipe work

Carey worked closely with Fabtech to develop a suitable method to complete the works in the soil conditions prevalent at the site. It was largely on the strength of these innovative solutions and local knowledge that Carey was awarded the works.

The works required careful planning and interface coordination with other contractors given their location in the centre of the project site. Carey was able to coordinate on site activities including the delivery and placement of over 200m³ of concrete and the use of 150t mobile cranes for precast installation without causing delay to any other contractors on site. This project was successfully completed on time creating six workplace opportunities for Indigenous Australians on site.